

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG042020\
 Data File : BG045096.D
 Acq On : 20 Apr 2020 15:05
 Operator : CG/JU
 Sample : L2345-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 T-1

Quant Time: Apr 20 15:52:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 11:57:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	93019	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	398280	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	279000	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	578297	20.00	ng	0.00
76) Chrysene-d12	21.67	240	513041	20.00	ng	0.00
87) Perylene-d12	24.86	264	559329	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	473265	84.00	ng	0.00
7) Phenol-d6	7.19	99	754294	90.11	ng	0.00
23) Nitrobenzene-d5	9.18	82	518533	59.41	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	377454	87.57	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1233134	64.81	ng	0.00
79) Terphenyl-d14	20.02	244	1665541	70.76	ng	0.00

Target Compounds

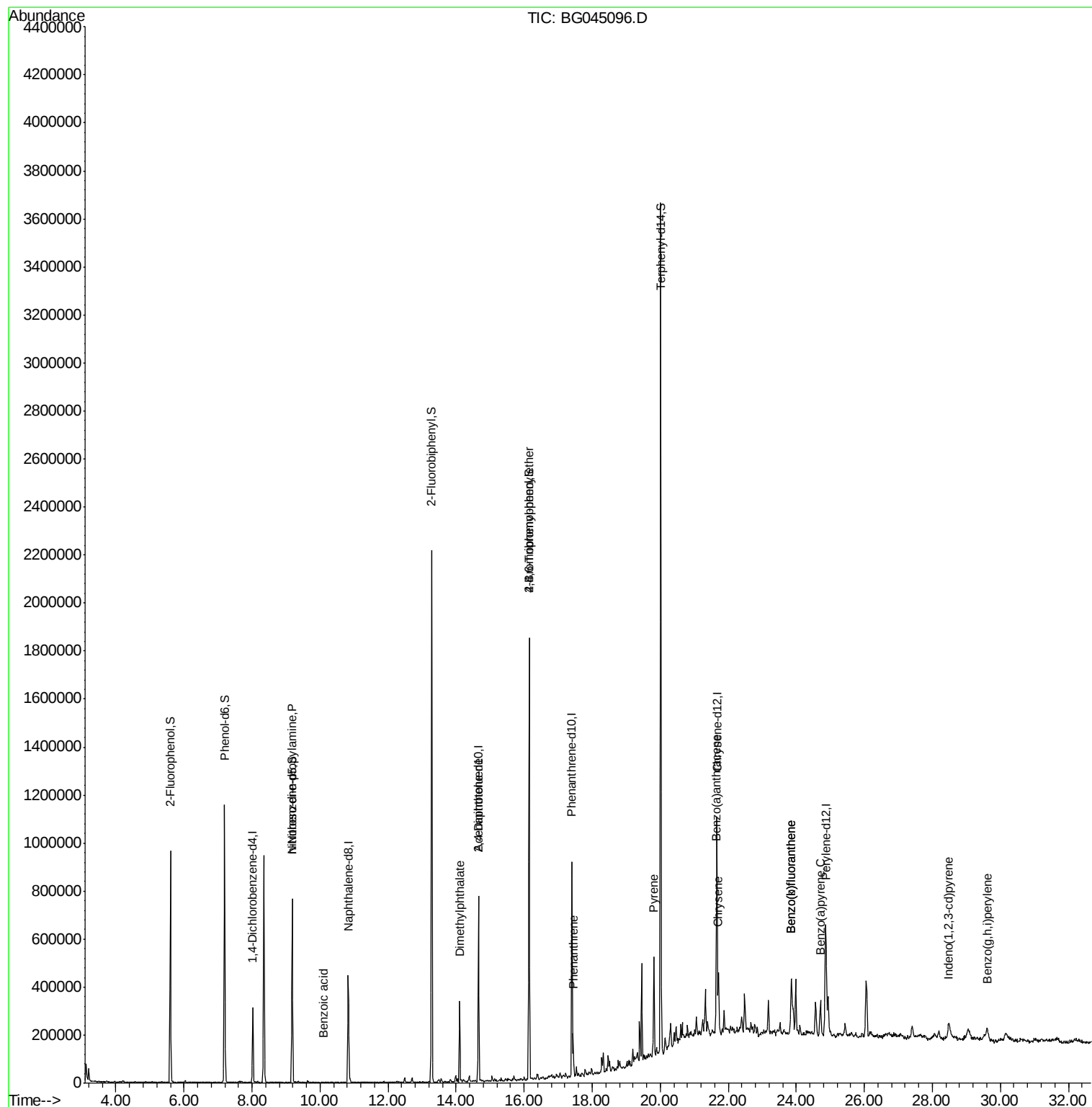
						Qvalue
9) Benzaldehyde	7.15	77	133	Below Cal	#	58
19) n-Nitroso-di-n-propylamine	9.18	70	70219	11.861 ng	#	80
32) Benzoic acid	10.09	122	53	6.383 ng	#	1
50) Dimethylphthalate	14.11	163	229128	10.086 ng		98
57) 2,4-Dinitrotoluene	14.66	165	36658	4.937 ng	#	24
67) 4-Bromophenyl-phenylether	16.15	248	26532	3.556 ng	#	1
69) Atrazine	16.85	200	69	Below Cal	#	35
71) Phenanthrene	17.44	178	116418	3.918 ng		96
74) Di-n-butylphthalate	18.36	149	2680	Below Cal	#	89
77) Benzidine	20.02	184	32402	Below Cal	#	90
78) Pyrene	19.81	202	266552	7.536 ng		97
81) Benzo(a)anthracene	21.65	228	178310	5.362 ng		99
83) Chrysene	21.71	228	215949	6.759 ng		97
86) Indeno(1,2,3-cd)pyrene	28.48	276	125435	2.957 ng	#	56
88) Benzo(b)fluoranthene	23.86	252	317843	9.072 ng		99
89) Benzo(k)fluoranthene	23.86	252	317843	9.539 ng		98
90) Benzo(a)pyrene	24.71	252	173537	5.246 ng		98
92) Benzo(g,h,i)perylene	29.62	276	110696	3.312 ng	#	93

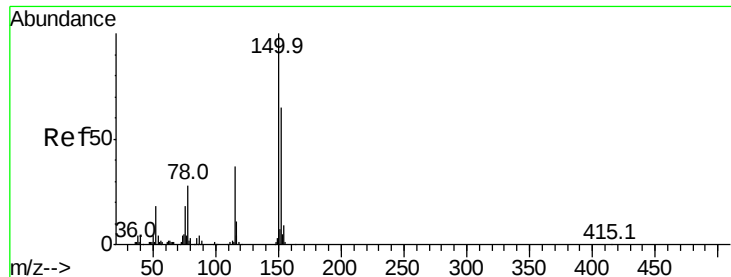
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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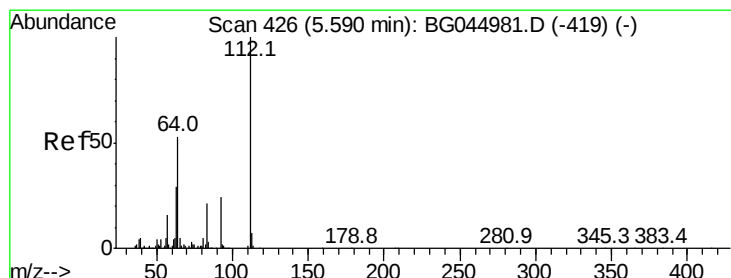
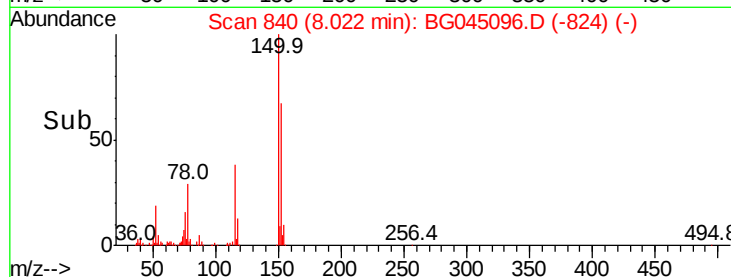
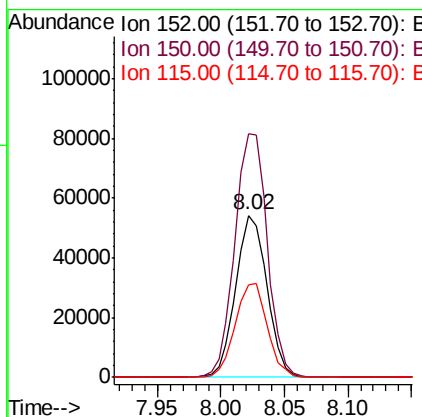
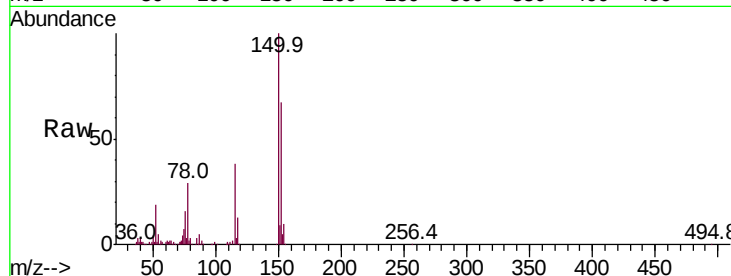




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.02 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: BG045096.D
 Acq: 20 Apr 2020 15:05

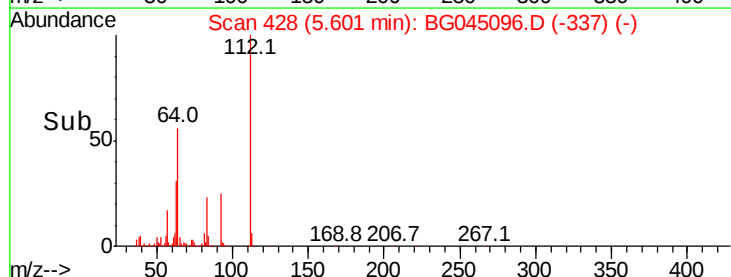
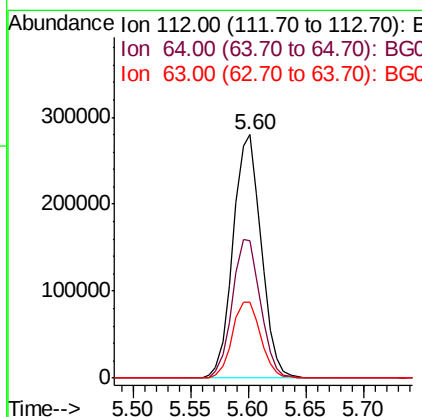
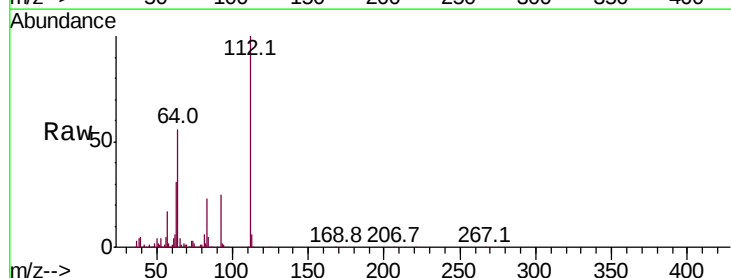
Instrument :
 BNA_G
 ClientSampleId :
 T-1

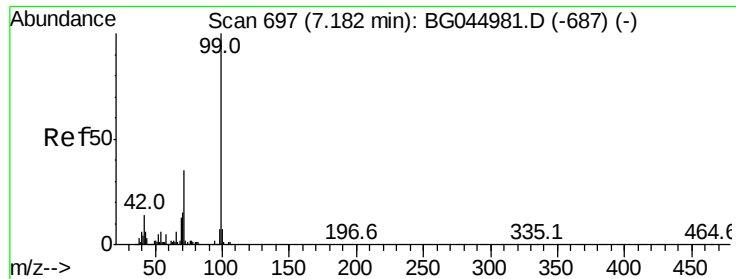
Tot Ion:	152	Resp:	93019
Ion	Ratio	Lower	Upper
152	100		
150	150.2	123.6	185.4
115	57.3	49.1	73.7



#5
 2-Fluorophenol
 Concen: 83.997 ng
 RT: 5.60 min Scan# 428
 Delta R.T. 0.00 min
 Lab File: BG045096.D
 Acq: 20 Apr 2020 15:05

Tgt Ion:	112	Resp:	473265
Ion	Ratio	Lower	Upper
112	100		
64	56.2	42.4	63.6
63	31.5	23.1	34.7





#7

Phenol-d6

Concen: 90.107 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG045096.D

Acq: 20 Apr 2020 15:05

Instrument :

BNA_G

ClientSampleId :

T-1

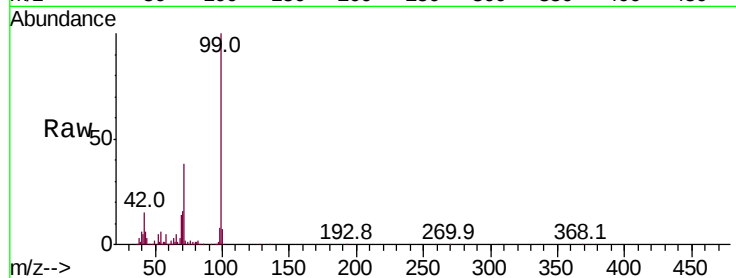
Tot Ion: 99 Resp: 754294

Ion Ratio Lower Upper

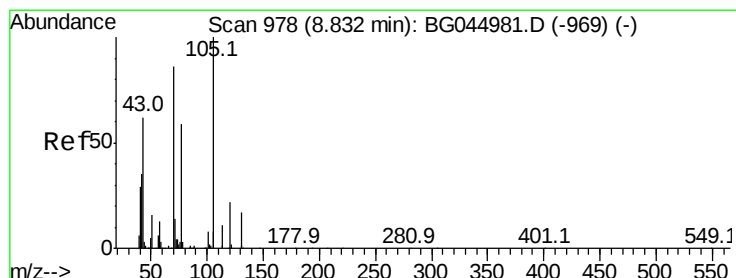
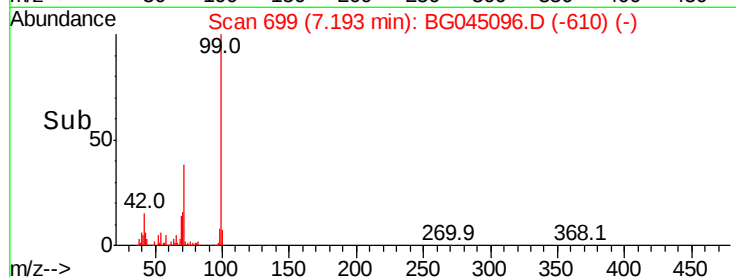
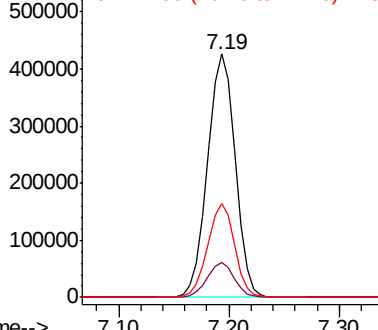
99 100

42 14.5 11.3 16.9

71 38.3 28.3 42.5



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 11.861 ng

RT: 9.18 min Scan# 1038

Delta R.T. 0.35 min

Lab File: BG045096.D

Acq: 20 Apr 2020 15:05

Tgt Ion: 70 Resp: 70219

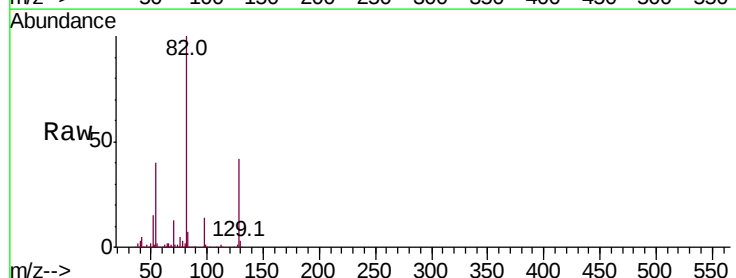
Ion Ratio Lower Upper

70 100

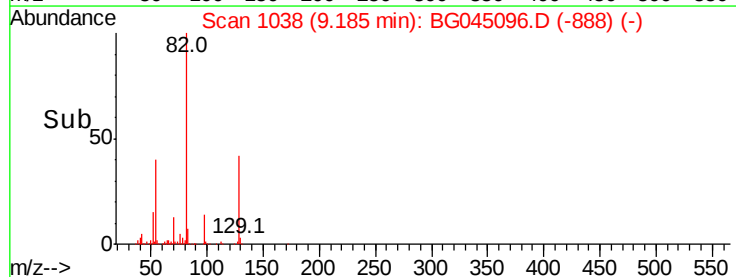
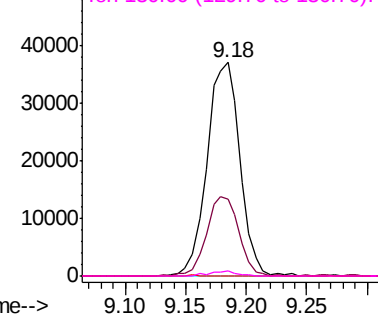
42 36.0 33.3 49.9

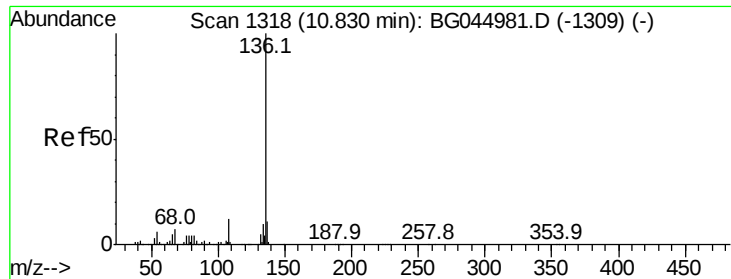
101 0.0 7.8 11.8#

130 2.2 15.8 23.6#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

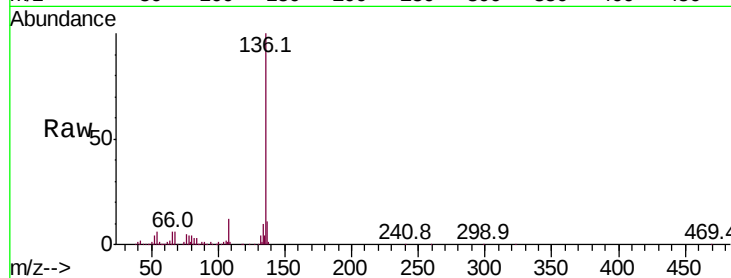




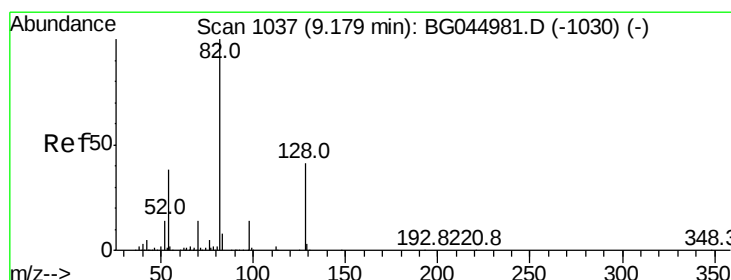
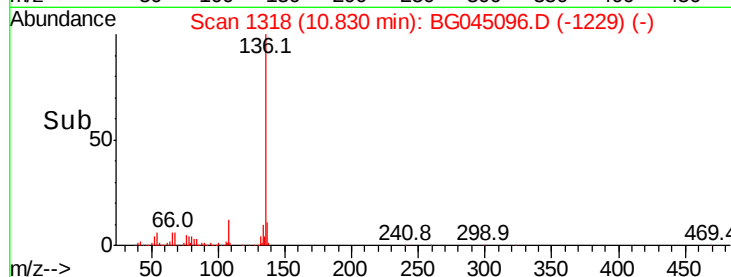
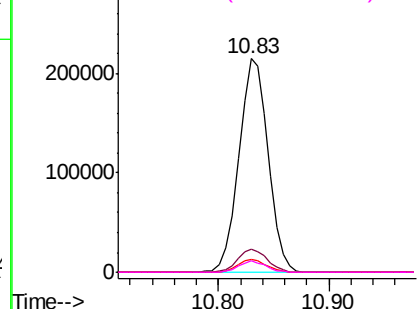
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BG045096.D
Acq: 20 Apr 2020 15:05

Instrument :
BNA_G
ClientSampleId :
T-1

Tot Ion:136	Resp:	398280	
Ion Ratio	Lower	Upper	
136 100			
137 10.6	8.6	13.0	
54 5.8	4.8	7.2	
68 5.5	5.2	7.8	

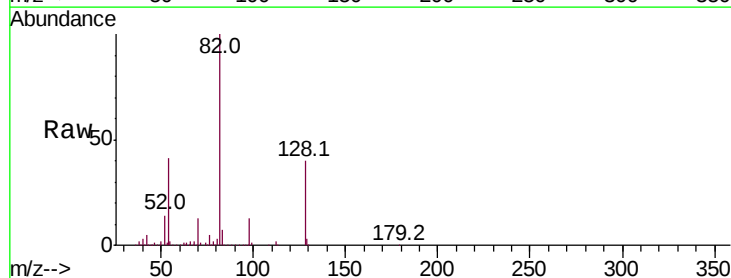


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

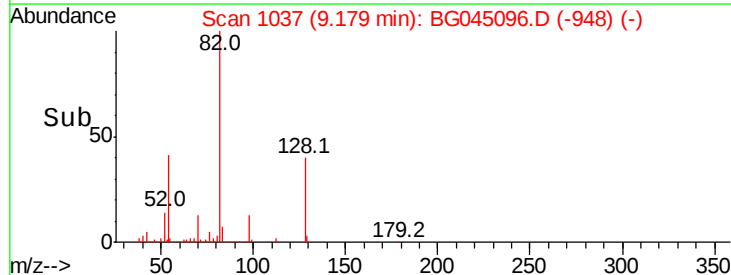
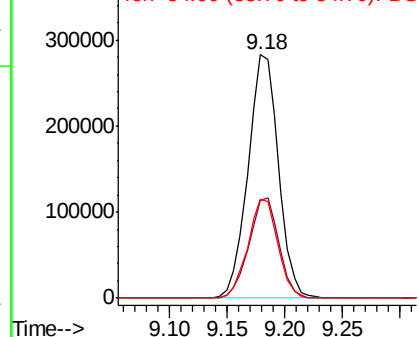


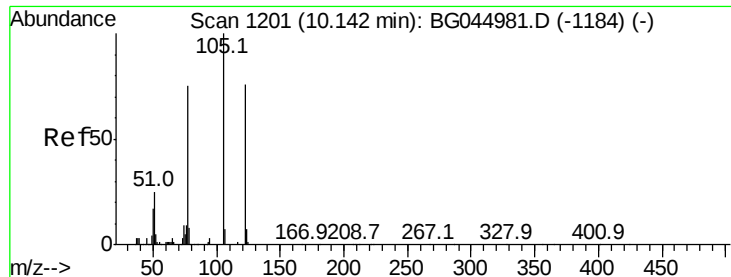
#23
Nitrobenzene-d5
Concen: 59.406 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BG045096.D
Acq: 20 Apr 2020 15:05

Tgt Ion: 82	Resp: 518533
Ion Ratio	Lower Upper
82 100	
128 40.1	33.0 49.4
54 40.7	30.4 45.6



Abundance Ion 82.00 (81.70 to 82.70): B
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): B





#32

Benzoic acid

Concen: 6.383 ng

RT: 10.09 min Scan# 1192

Delta R.T. -0.09 min

Lab File: BG045096.D

Acq: 20 Apr 2020 15:05

Instrument :

BNA_G

ClientSampleId :

T-1

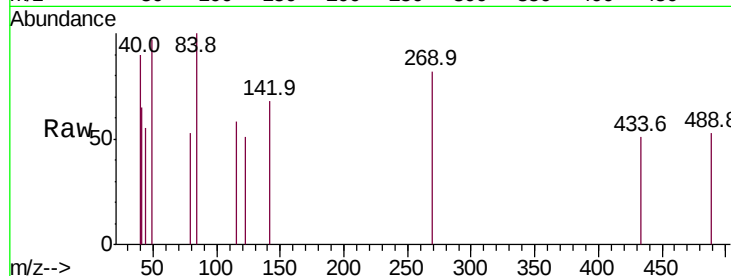
Tot Ion:122 Resp: 53

Ion Ratio Lower Upper

122 100

105 0.0 108.4 148.4#

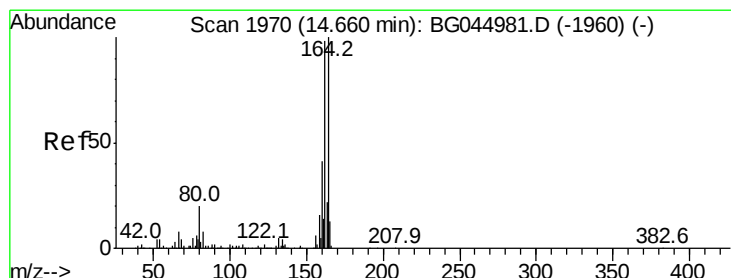
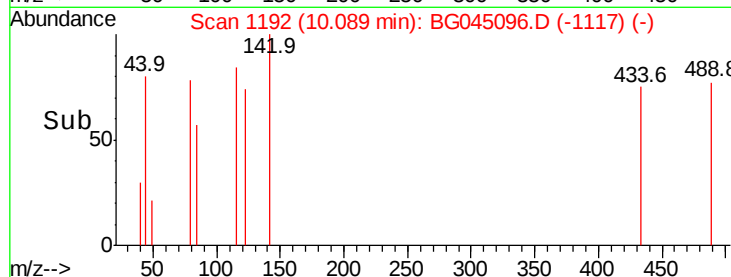
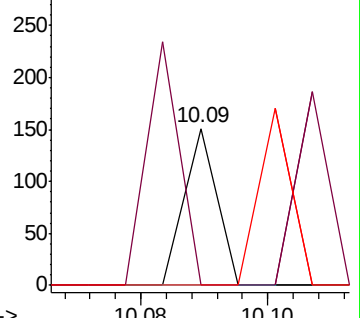
77 0.0 78.8 118.8#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.00 min

Lab File: BG045096.D

Acq: 20 Apr 2020 15:05

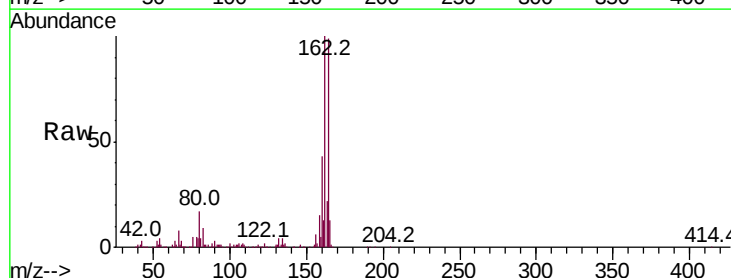
Tgt Ion:164 Resp: 279000

Ion Ratio Lower Upper

164 100

162 101.2 78.7 118.1

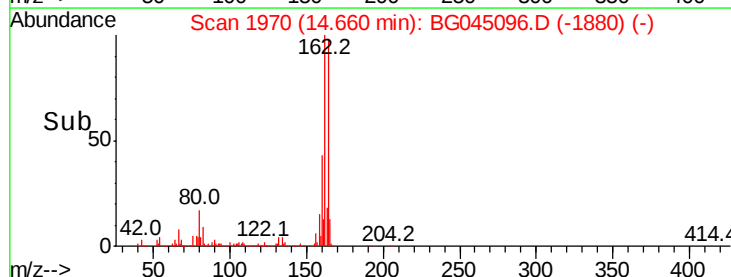
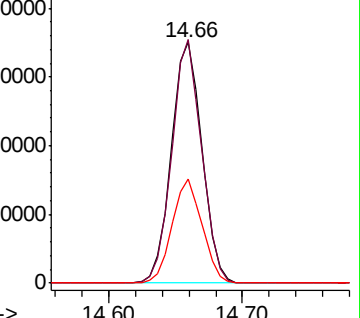
160 43.3 32.8 49.2

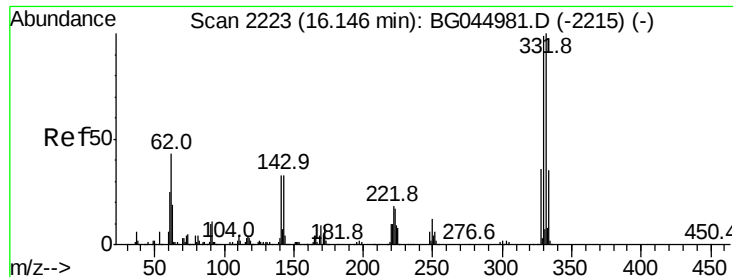


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

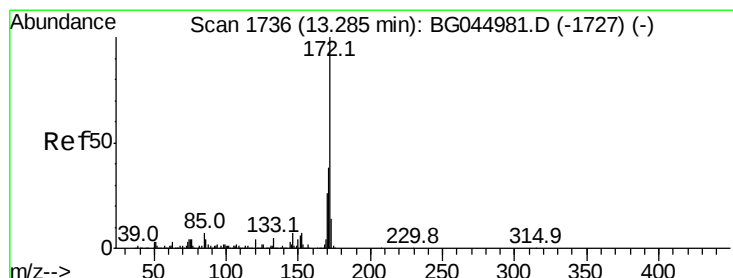
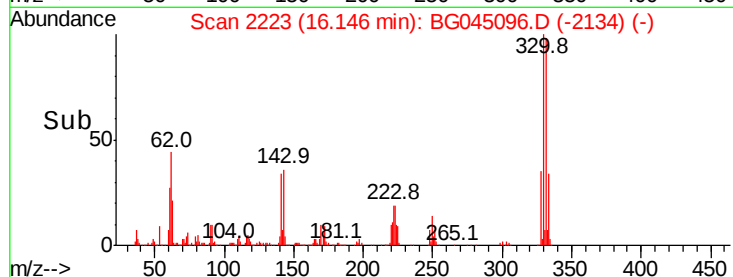
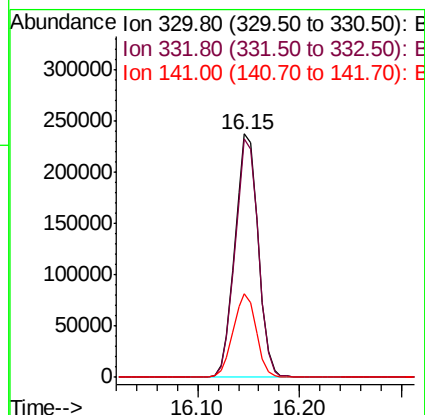
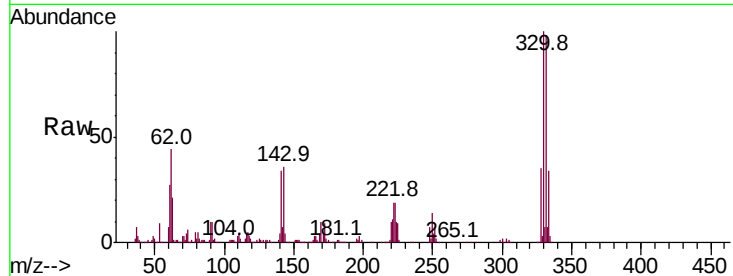




#42
 2,4,6-Tribromophenol
 Concen: 87.573 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BG045096.D
 Acq: 20 Apr 2020 15:05

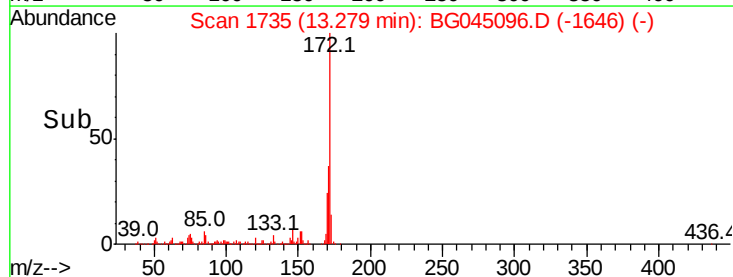
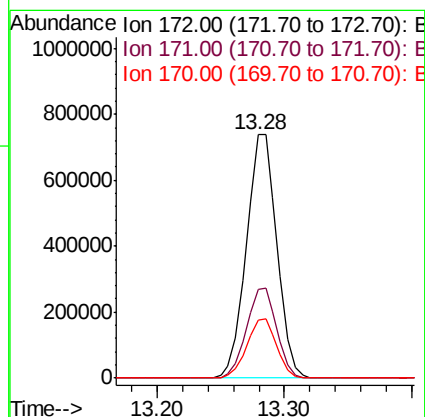
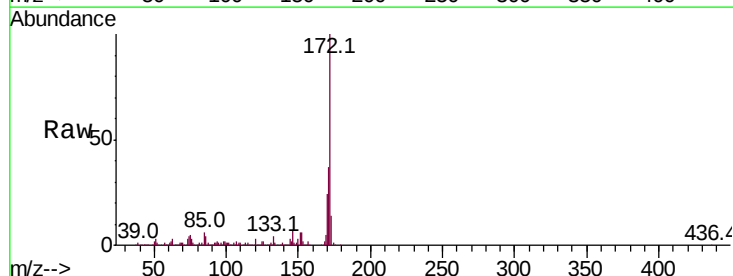
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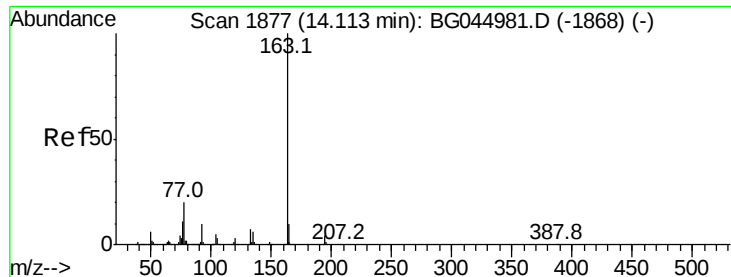
Tot Ion:330 Resp: 377454
 Ion Ratio Lower Upper
 330 100
 332 97.7 79.1 118.7
 141 34.3 27.1 40.7



#45
 2-Fluorobiphenyl
 Concen: 64.809 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: BG045096.D
 Acq: 20 Apr 2020 15:05

Tgt Ion:172 Resp: 1233134
 Ion Ratio Lower Upper
 172 100
 171 36.6 30.6 46.0
 170 23.9 20.5 30.7





#50

Dimethylphthalate

Concen: 10.086 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BG045096.D

Acq: 20 Apr 2020 15:05

Instrument :

BNA_G

ClientSampleId :

T-1

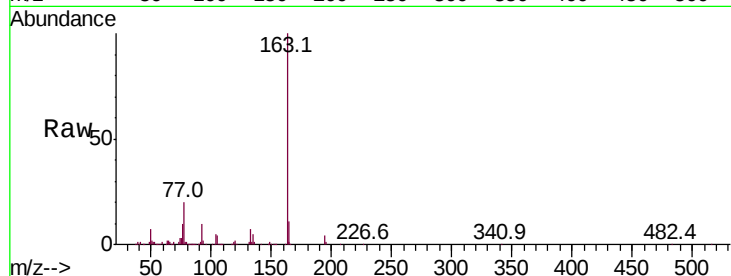
Tot Ion:163 Resp: 229128

Ion Ratio Lower Upper

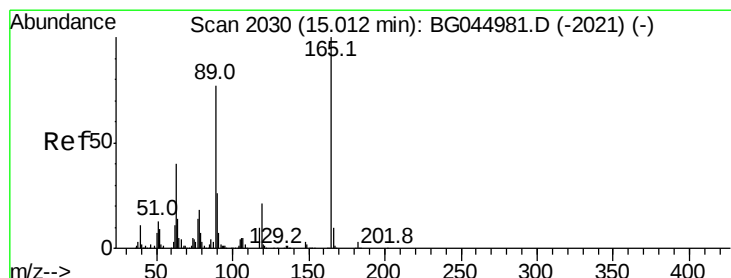
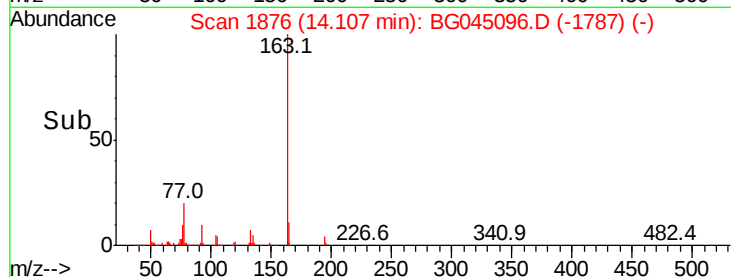
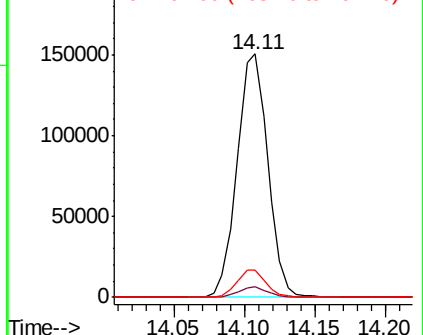
163 100

194 4.2 3.5 5.3

164 11.2 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 4.937 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.36 min

Lab File: BG045096.D

Acq: 20 Apr 2020 15:05

Tgt Ion:165 Resp: 36658

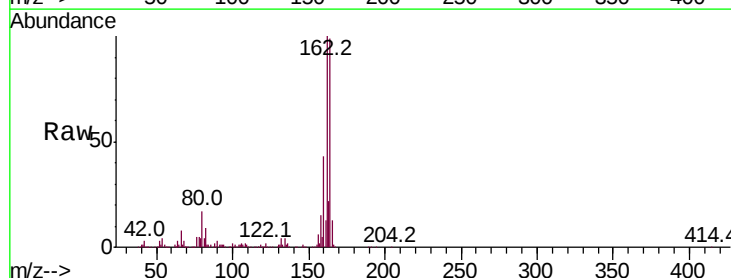
Ion Ratio Lower Upper

165 100

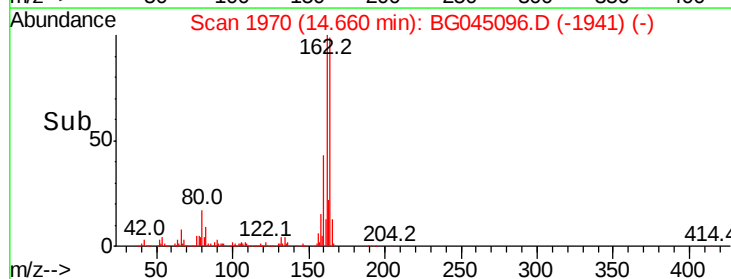
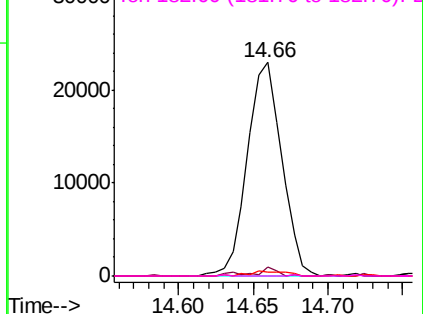
63 3.9 32.2 48.2#

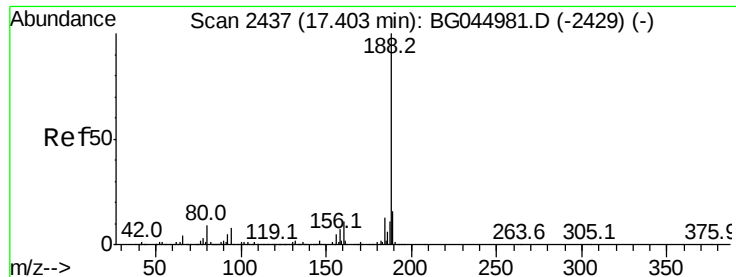
89 1.7 61.7 92.5#

182 0.0 2.0 3.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG045096.D

Acq: 20 Apr 2020 15:05

Instrument :

BNA_G

ClientSampleId :

T-1

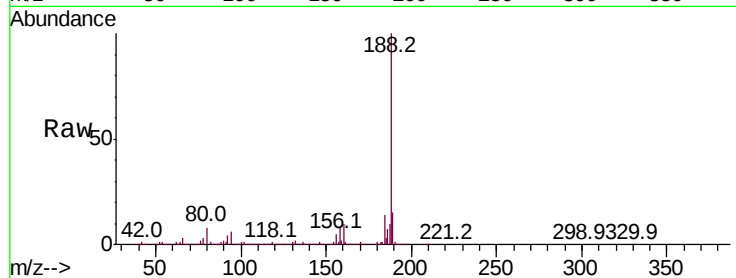
Tot Ion:188 Resp: 578297

Ion	Ratio	Lower	Upper
188	100		
94	6.5	6.2	9.4
80	8.2	7.0	10.6

188 100

94 6.5 6.2 9.4

80 8.2 7.0 10.6

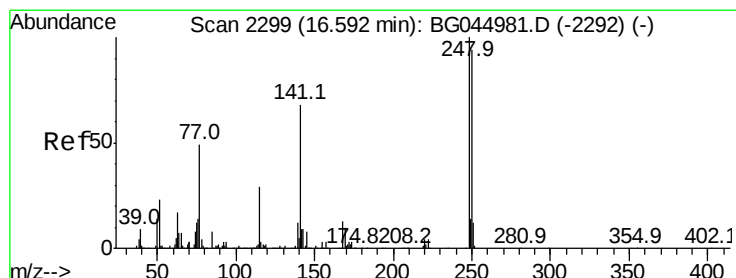
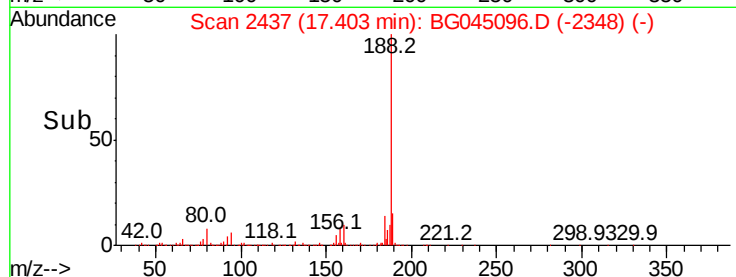


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

Time--> 17.30 17.40 17.50



#67

4-Bromophenyl-phenylether

Concen: 3.556 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.45 min

Lab File: BG045096.D

Acq: 20 Apr 2020 15:05

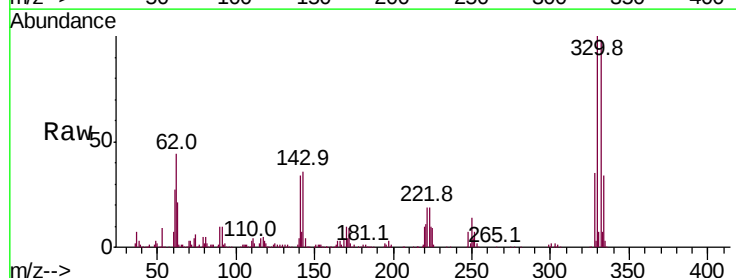
Tgt Ion:248 Resp: 26532

Ion	Ratio	Lower	Upper
248	100		
250	197.3	75.4	113.2#
141	492.0	54.4	81.6#

248 100

250 197.3 75.4 113.2#

141 492.0 54.4 81.6#

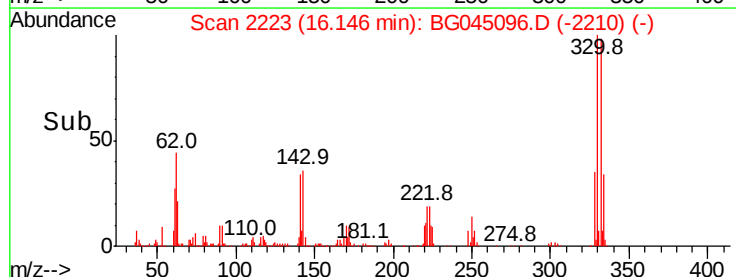


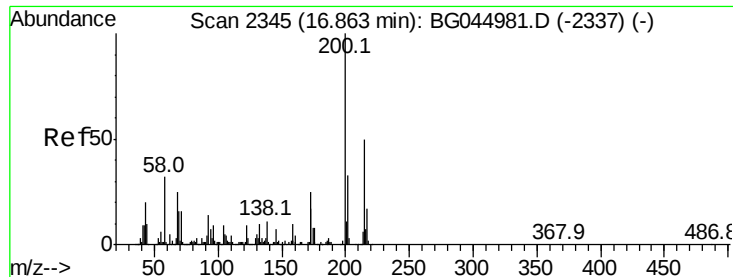
Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

Time--> 16.10 16.15 16.20





#69

Atrazine

Concen: Below Cal

RT: 16.85 min Scan# 2343

Delta R.T. -0.01 min

Lab File: BG045096.D

Acq: 20 Apr 2020 15:05

Instrument :

BNA_G

ClientSampleId :

T-1

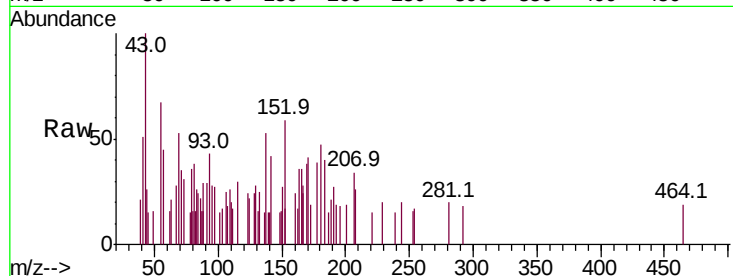
Tot Ion:200 Resp: 69

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

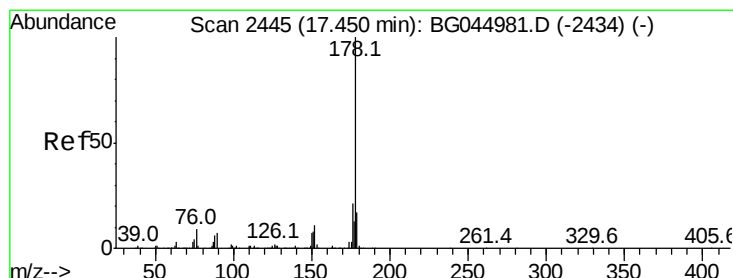
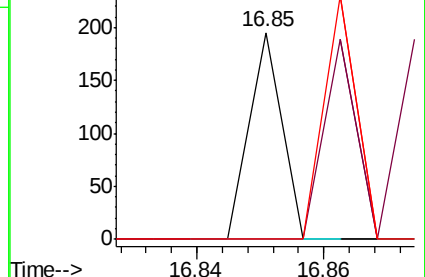
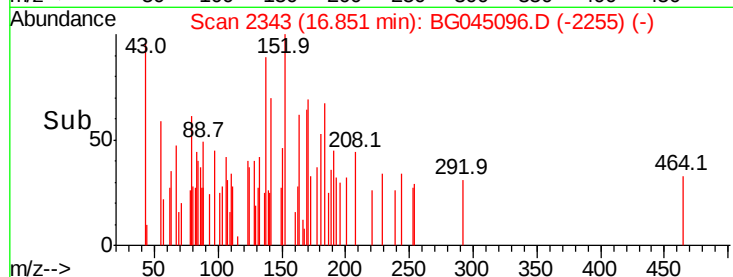
215 0.0 30.0 70.0#



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#71

Phenanthrene

Concen: 3.918 ng

RT: 17.44 min Scan# 2444

Delta R.T. -0.01 min

Lab File: BG045096.D

Acq: 20 Apr 2020 15:05

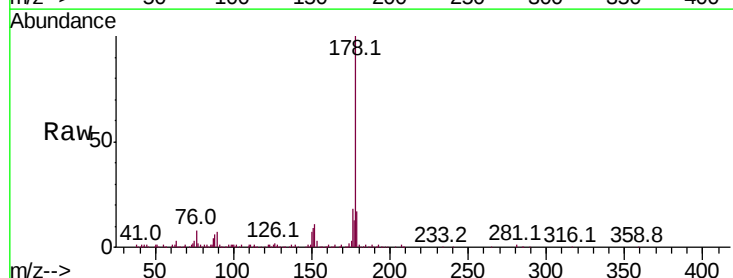
Tgt Ion:178 Resp: 116418

Ion Ratio Lower Upper

178 100

176 18.3 16.8 25.2

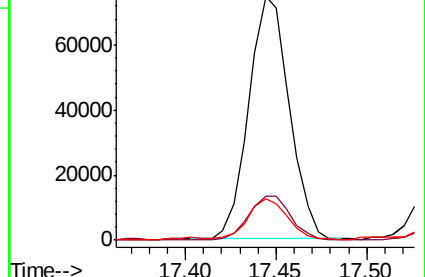
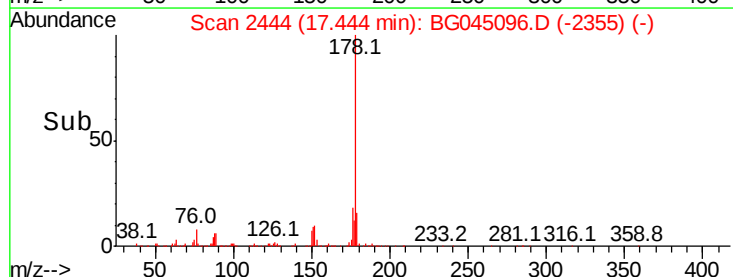
179 16.8 13.2 19.8

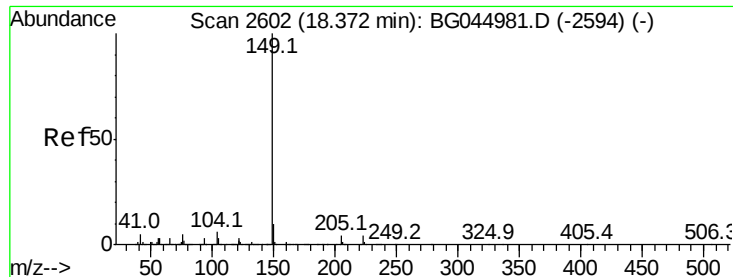


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.36 min Scan# 2600

Delta R.T. -0.01 min

Lab File: BG045096.D

Acq: 20 Apr 2020 15:05

Instrument :

BNA_G

ClientSampleId :

T-1

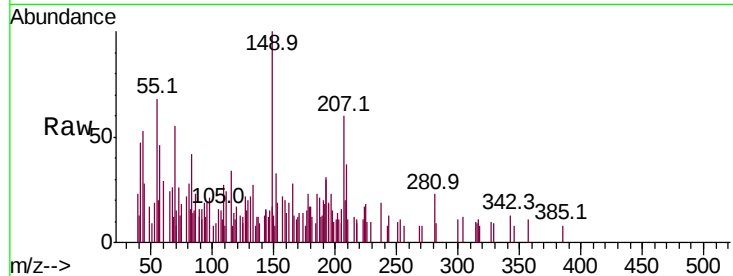
Tot Ion:149 Resp: 2680

Ion Ratio Lower Upper

149 100

150 12.9 8.2 12.2#

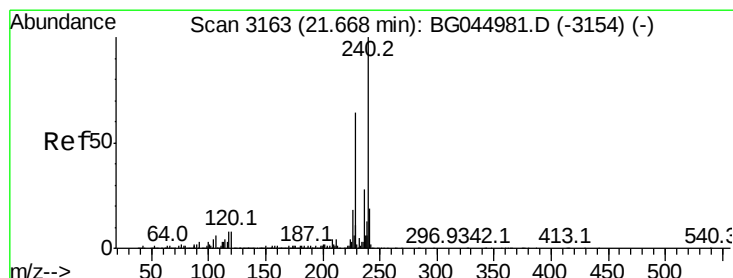
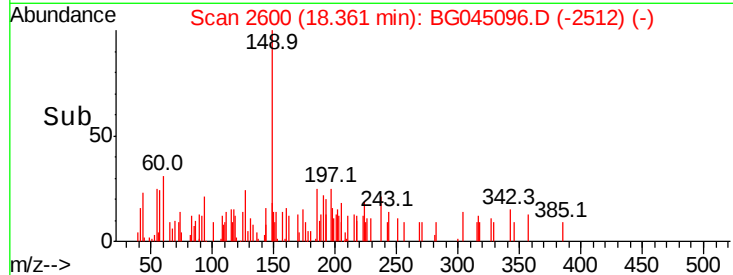
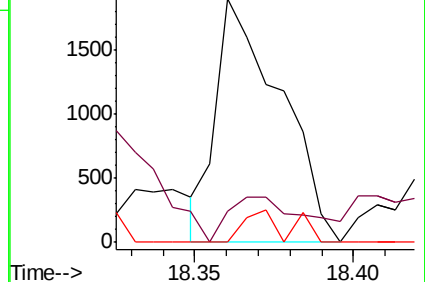
104 0.0 4.8 7.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.67 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BG045096.D

Acq: 20 Apr 2020 15:05

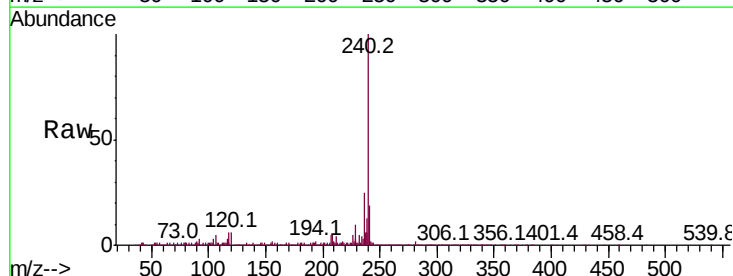
Tgt Ion:240 Resp: 513041

Ion Ratio Lower Upper

240 100

120 6.4 6.6 10.0#

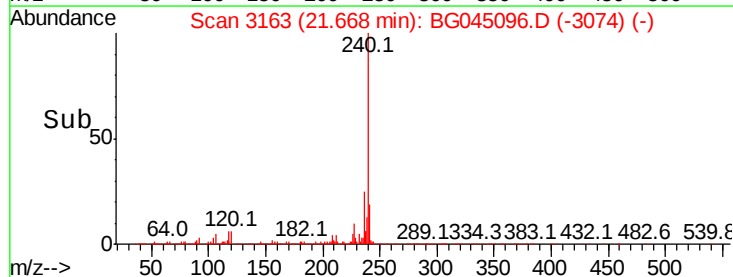
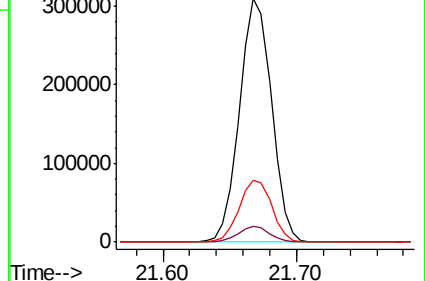
236 25.4 22.2 33.2

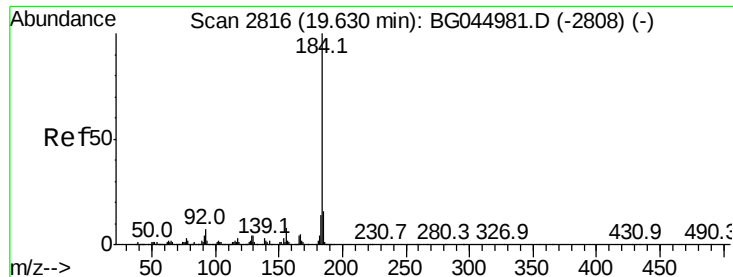


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: Below Cal

RT: 20.02 min Scan# 2882

Delta R.T. 0.39 min

Lab File: BG045096.D

Acq: 20 Apr 2020 15:05

Instrument :

BNA_G

ClientSampleId :

T-1

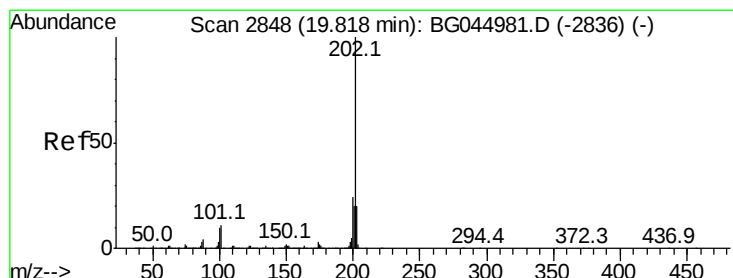
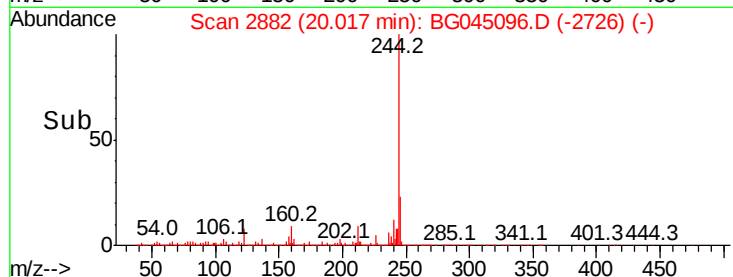
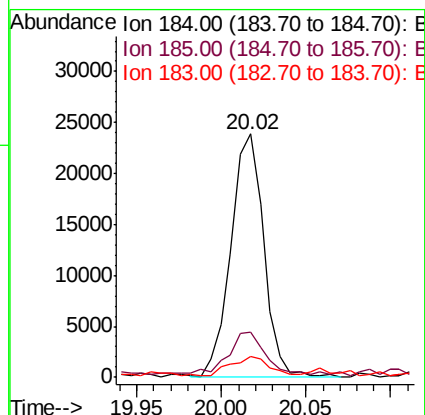
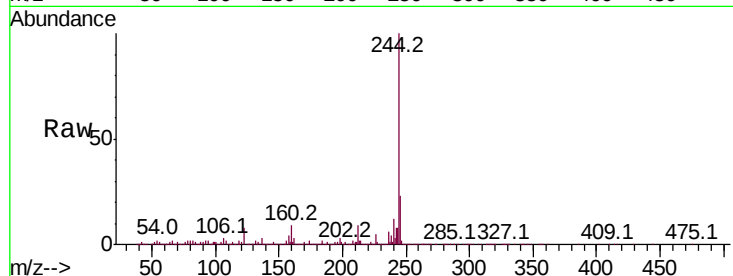
Tot Ion:184 Resp: 32402

Ion Ratio Lower Upper

184 100

185 18.7 12.6 19.0

183 8.4 11.3 16.9#



#78

Pyrene

Concen: 7.536 ng

RT: 19.81 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BG045096.D

Acq: 20 Apr 2020 15:05

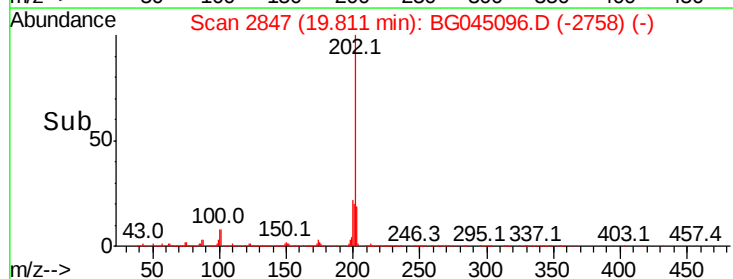
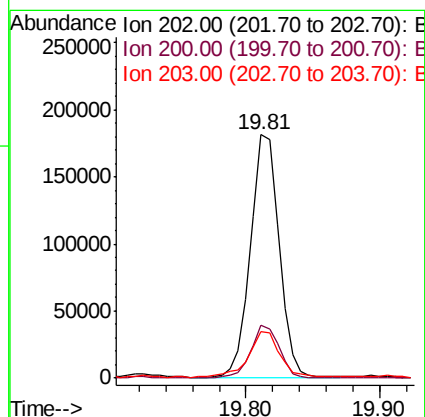
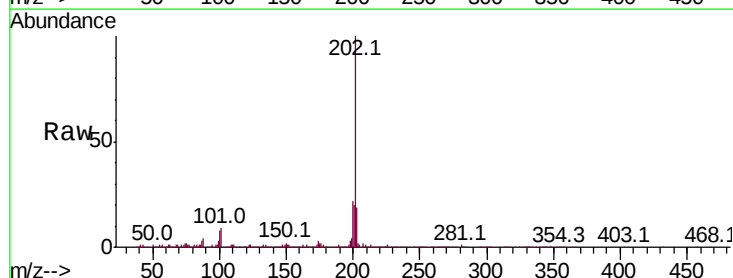
Tgt Ion:202 Resp: 266552

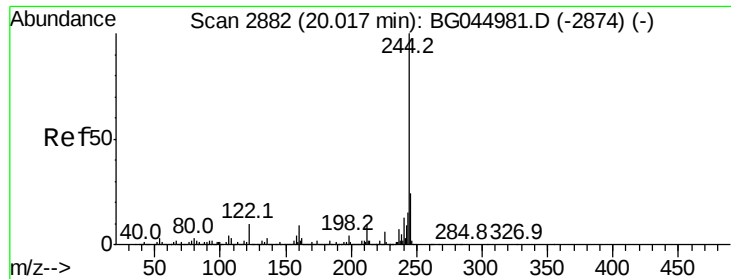
Ion Ratio Lower Upper

202 100

200 22.0 19.0 28.6

203 19.0 16.1 24.1





#79

Terphenyl-d14

Concen: 70.758 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG045096.D

Acq: 20 Apr 2020 15:05

Instrument :

BNA_G

ClientSampleId :

T-1

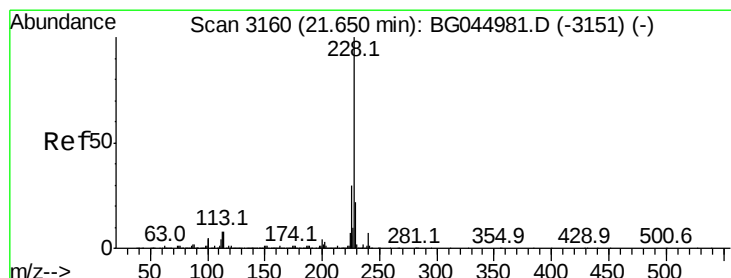
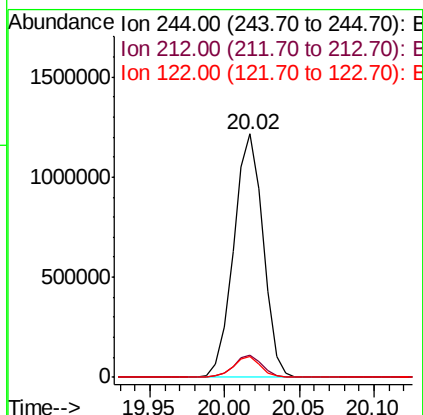
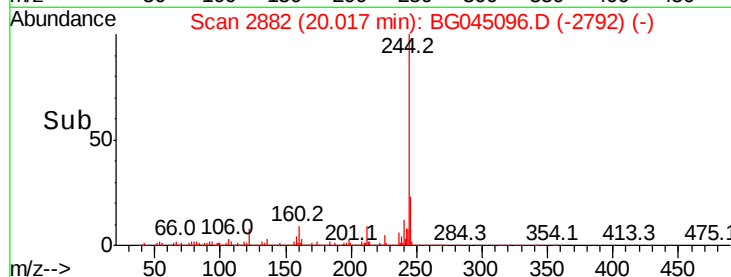
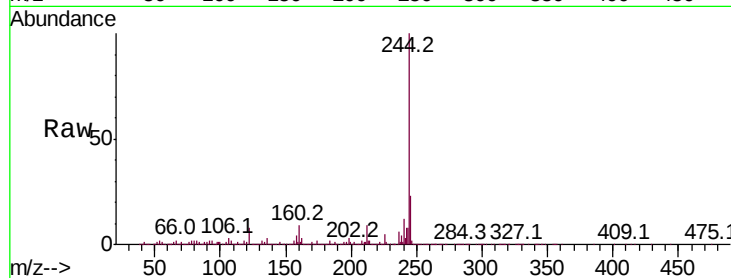
Tot Ion:244 Resp: 1665541

Ion Ratio Lower Upper

244 100

212 9.3 7.9 11.9

122 8.4 7.7 11.5



#81

Benzo(a)anthracene

Concen: 5.362 ng

RT: 21.65 min Scan# 3160

Delta R.T. -0.00 min

Lab File: BG045096.D

Acq: 20 Apr 2020 15:05

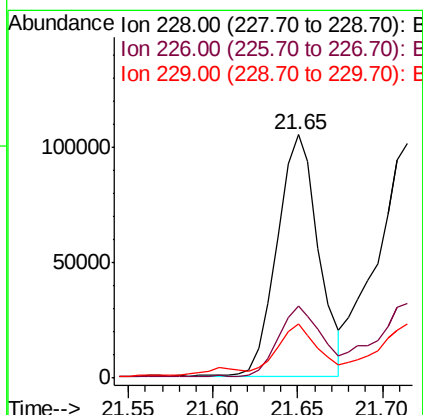
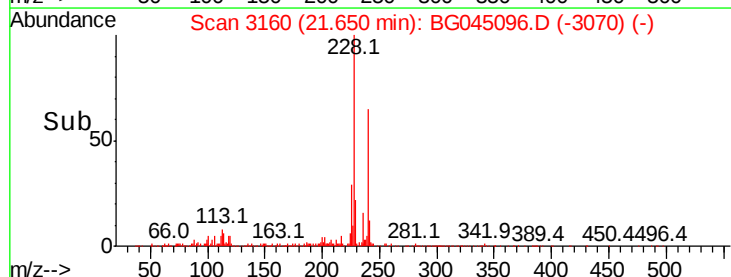
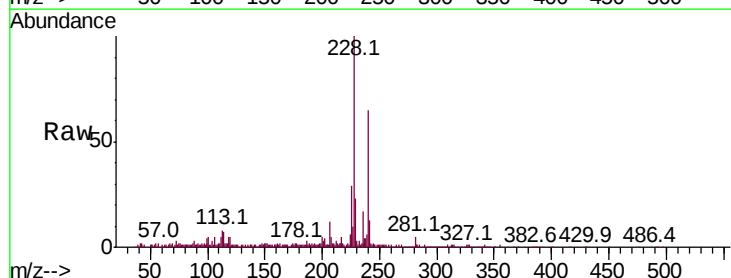
Tgt Ion:228 Resp: 178310

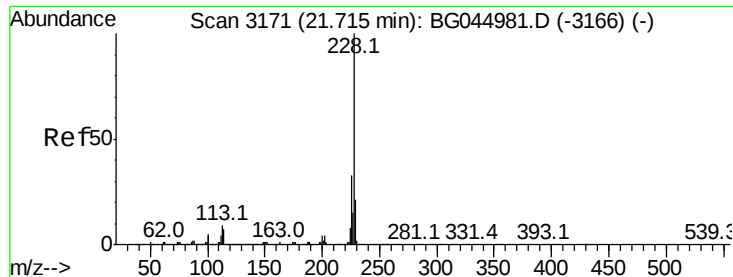
Ion Ratio Lower Upper

228 100

226 29.4 24.0 36.0

229 22.5 17.5 26.3

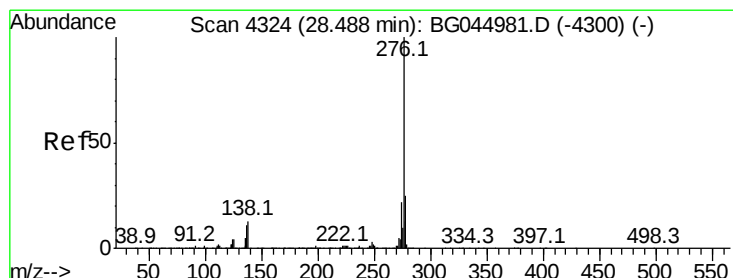
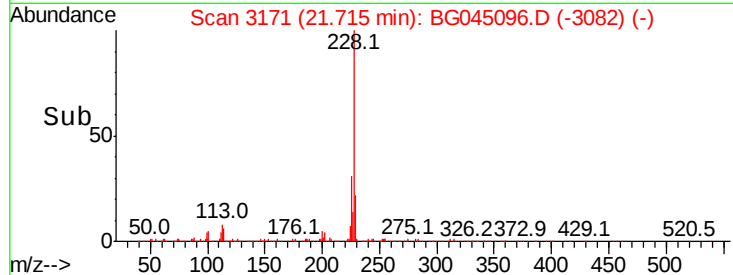
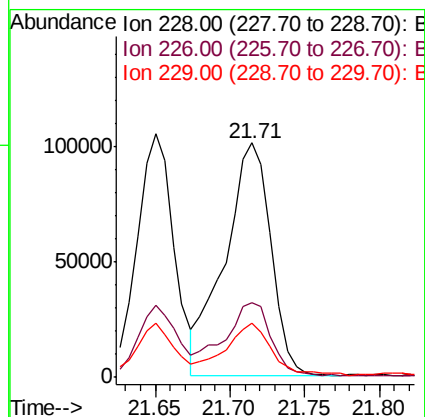
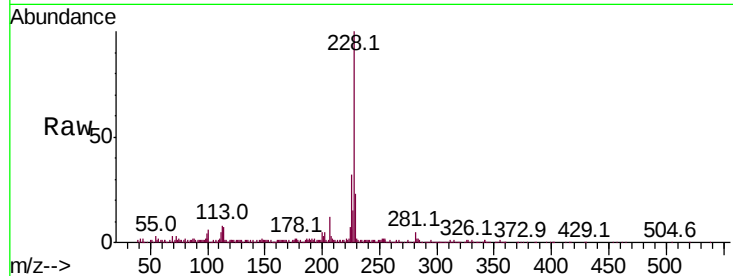




#83
Chrysene
Concen: 6.759 ng
RT: 21.71 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BG045096.D
Acq: 20 Apr 2020 15:05

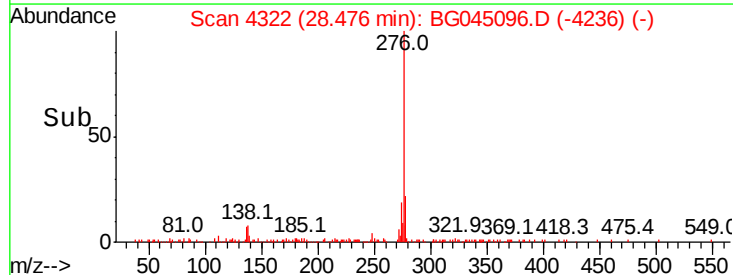
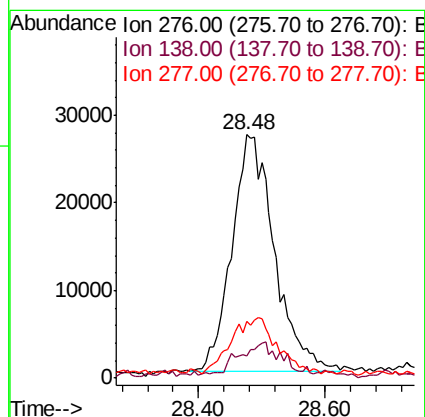
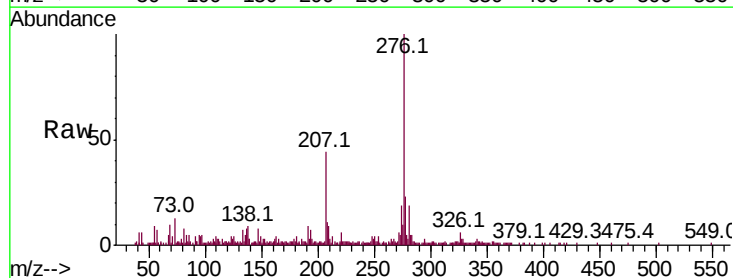
Instrument :
BNA_G
ClientSampleId :
T-1

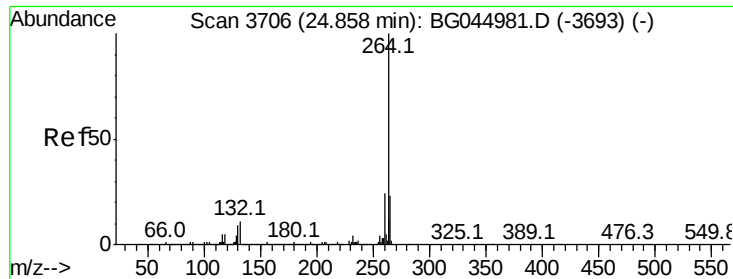
Tot	Ion:228	Resp:	215949
Ion	Ratio	Lower	Upper
228	100		
226	31.6	26.2	39.4
229	23.0	17.0	25.6



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.957 ng
RT: 28.48 min Scan# 4322
Delta R.T. -0.02 min
Lab File: BG045096.D
Acq: 20 Apr 2020 15:05

Tgt	Ion:276	Resp:	125435
Ion	Ratio	Lower	Upper
276	100		
138	0.0	9.6	14.4#
277	0.0	20.6	31.0#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.86 min Scan# 3707

Delta R.T. -0.00 min

Lab File: BG045096.D

Acq: 20 Apr 2020 15:05

Instrument :

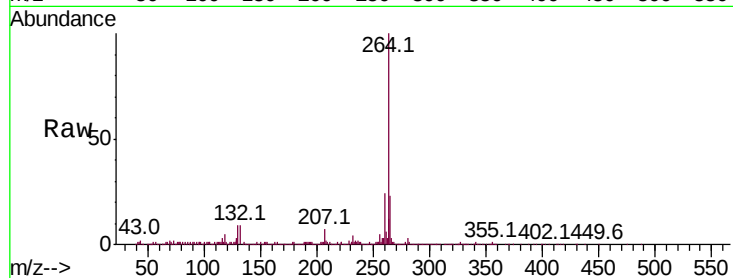
BNA_G

ClientSampleId :

T-1

Tot Ion:264 Resp: 559329

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.9	19.0	28.4

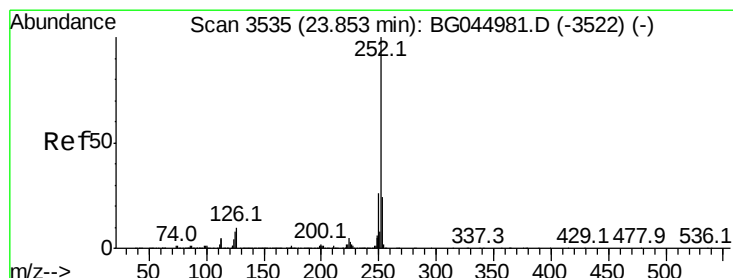
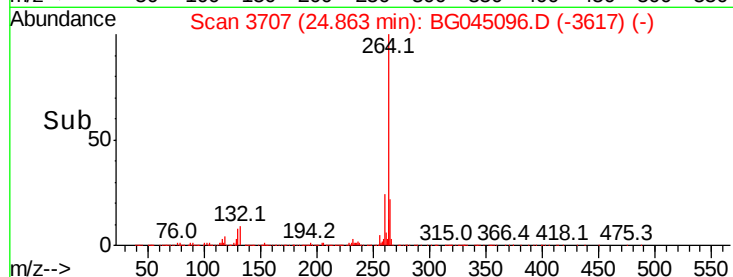
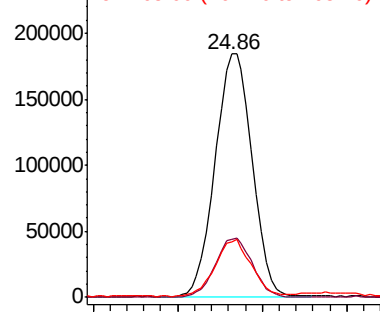


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 9.072 ng

RT: 23.86 min Scan# 3536

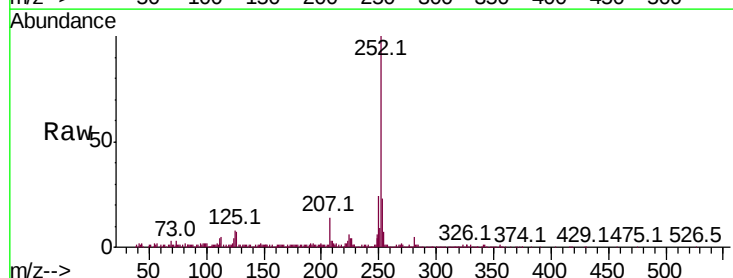
Delta R.T. 0.00 min

Lab File: BG045096.D

Acq: 20 Apr 2020 15:05

Tgt Ion:252 Resp: 317843

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.8	28.2
125	7.5	6.2	9.4

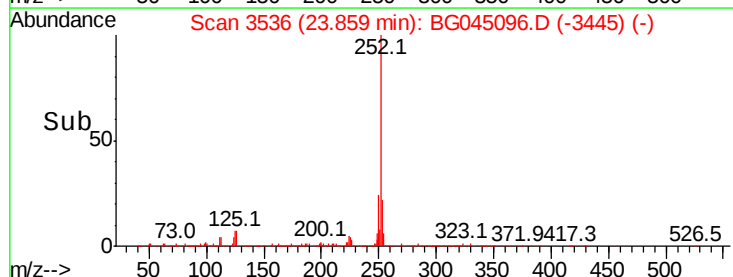
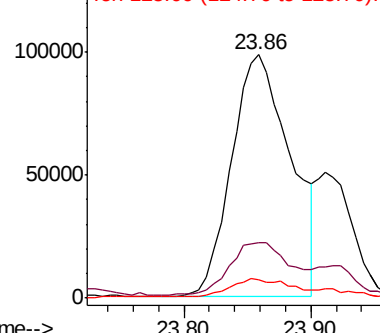


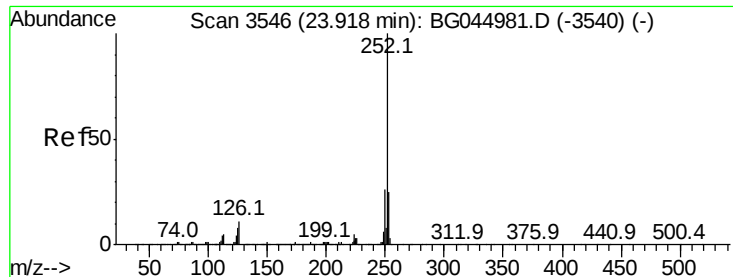
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

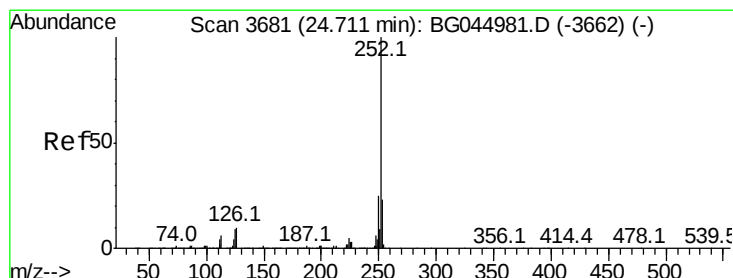
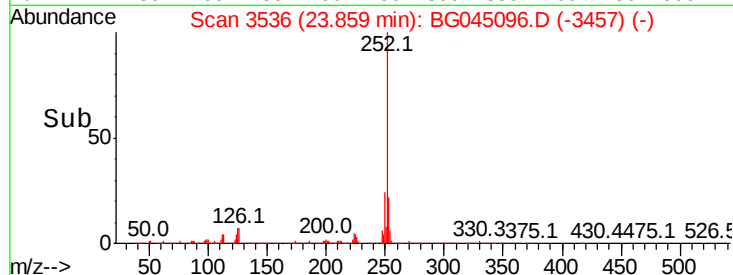
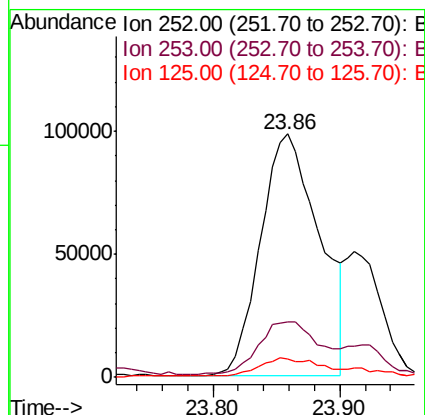
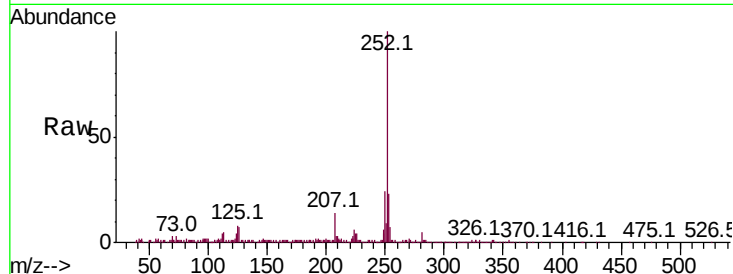




#89
Benzo(k)fluoranthene
Concen: 9.539 ng
RT: 23.86 min Scan# 3536
Delta R.T. -0.07 min
Lab File: BG045096.D
Acq: 20 Apr 2020 15:05

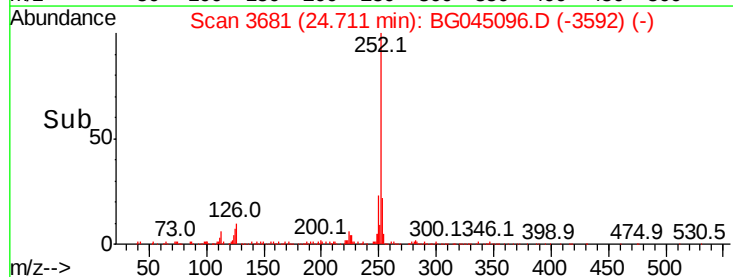
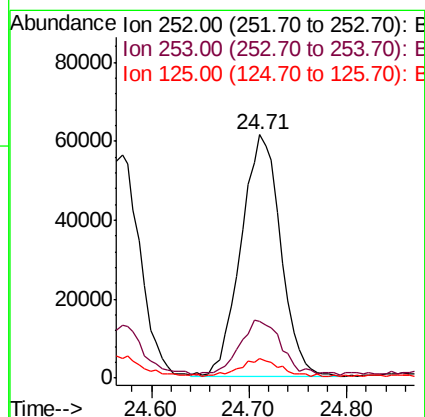
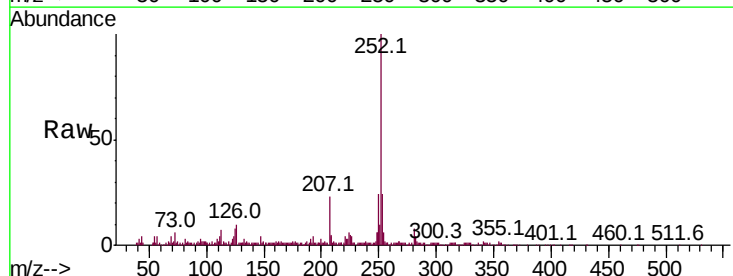
Instrument :
BNA_G
ClientSampleId :
T-1

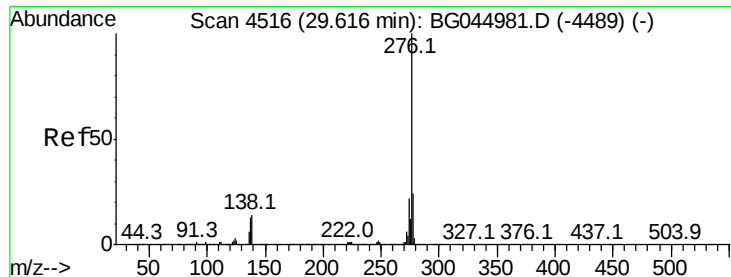
Tot Ion:	252	Resp:	317843
Ion	Ratio	Lower	Upper
252	100		
253	22.7	19.2	28.8
125	7.5	5.9	8.9



#90
Benzo(a)pyrene
Concen: 5.246 ng
RT: 24.71 min Scan# 3681
Delta R.T. -0.01 min
Lab File: BG045096.D
Acq: 20 Apr 2020 15:05

Tgt Ion:	252	Resp:	173537
Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.3	27.5
125	8.0	7.0	10.6





#92

Benzo(a,h,i)perylene

Concen: 3.312 ng

RT: 29.62 min Scan# 4516

Delta R.T. -0.02 min

Lab File: BG045096.D

Acq: 20 Apr 2020 15:05

Instrument :

BNA_G

ClientSampleId :

T-1

Tot Ion:276 Resp: 110696

Ion Ratio Lower Upper

276 100

277 26.5 19.3 28.9

138 9.6 11.4 17.2#

